

Form PTO-1449
(Rev. 2-32)U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.

ACT-185

Serial No.

08/603,597

Information Disclosure

Statement by Applicant

(Use several sheets if necessary)

Applicant: McGowan, et al.

Filing Date: 02/16/96 Group: 2509

U.S. PATENT DOCUMENTS

Exam. Init.		Document No.	Date	Name	Class	SubClass	Filing Date
RRR	A	3,816,725	06/11/74	Greer	235	152	04/28/72
RRR	B	3,818,452	06/18/74	Greer	340	166	04/28/72
RRR	C	3,849,638	11/19/74	Greer	235	152	07/18/73
RRR	D	3,987,287	10/19/76	Cox, et al.	235	152	12/30/74
RRR	E	4,293,783	10/06/81	Patil	307	465	11/01/78
RRR	F	4,433,331	02/21/84	Kollaritsch	340	825.83	12/14/81
RRR	G	4,642,487	02/10/87	Carter	307	465	09/26/84
RRR	H	4,677,318	06/30/87	Veenstra	307	465	04/12/85
RRR	I	4,701,922	10/20/87	Kuboki, et al.	371	25	08/26/85
RRR	J	4,706,208	11/10/87	Helms	364	580	09/03/85
RRR	K	4,713,557	12/15/87	Carter	307	242	02/11/87
RRR	L	4,717,912	01/05/88	Harvey, et al.	340	825.83	10/07/82
RRR	M	4,742,252	05/03/88	Agrawal	307	465	03/29/85
RRR	N	4,758,745	07/19/88	Elgamal, et al.	307	465	09/19/86
RRR	O	4,758,985	07/19/88	Carter	365	94	03/28/86
RRR	P	4,763,020	08/09/88	Takata, et al.	307	465	09/04/86
RRR	Q	4,786,904	11/22/88	Graham, III, et al.	340	825	12/15/86
RRR	R	4,789,951	12/06/88	Birkner, et al.	364	716	05/16/86
RRR	S	4,821,176	04/11/89	Ward, et al.	364	200	12/15/86
RRR	T	4,823,181	04/18/89	Mohsen, et al.	357	51	05/09/86
RRR	U	4,847,612	07/11/89	Kaplinsky	340	825.800	01/13/88
RRR	V	4,847,732	07/11/89	Stopper, et al.	361	395	06/08/88
RRR	W	4,857,774	08/15/89	El-Ayat, et al.	307	465	09/30/88
RRR	X	4,870,300	09/26/89	Nakaya, et al.	307	303	05/15/87
RRR	Y	4,870,302	09/26/89	Freeman	307	465	02/19/88
RRR	Z	4,871,930	10/03/89	Wong, et al.	307	465	05/05/88
RRR	AA	4,873,459	10/10/89	El Gamal, et al.	307	465	05/18/88
RRR	AB	4,903,223	02/20/90	Norman, et al.	364	716	05/05/88
RRR	AC	4,910,417	03/20/90	El Gamal, et al.	307	465	01/05/89
RRR	AD	4,914,055	04/03/90	Gordon, et al.	437	192	08/24/89
RRR	AE	4,963,768	10/16/90	Agrawal, et al.	307	465	09/12/88

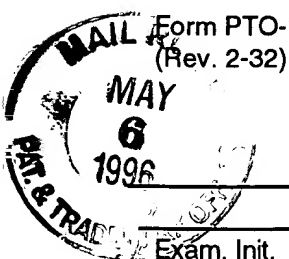
Examiner

Richard Roseen

Date Considered

7-2-97

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RRR	AF	4,963,770	10/16/90	Keida	307	465	01/24/90
RRR	AG	5,001,368	03/19/91	Cliff, et al.	307	465	12/08/89
RRR	AH	5,003,200	03/26/91	Sakamoto	307	465	09/18/89
RRR	AI	5,015,885	05/14/91	El Gamal, et al.	307	465	02/10/89
RRR	AJ	5,019,736	05/28/91	Furtek	307	465	10/25/89
RRR	AK	5,023,606	06/11/91	Kaplinisky	340	825.8	05/09/89
RRR	AL	5,055,718	10/08/91	Galbraith, et al.	307	465	05/11/90
RRR	AM	5,070,384	12/03/91	McCollum, et al.	357	51	04/12/90
RRR	AN	5,073,729	12/17/91	Greene, et al.	307	465.1	06/22/90
RRR	AO	5,083,083	01/21/92	El-Ayat, et al.	324	158	07/05/89
RRR	AP	5,122,685	06/16/92	Chan, et al.	307	465.1	03/06/91
RRR	AQ	5,132,571	07/21/92	McCollum, et al.	307	465.1	08/01/90
RRR	AR	5,140,193	08/18/92	Freeman, et al.	307	465	03/27/90
RRR	AS	5,144,166	09/01/92	Camarota, et al.	307	465	11/02/90
RRR	AT	5,151,623	09/29/92	Agrawal	307	465	10/18/91
RRR	AU	5,171,715	12/15/92	Husher, et al.	437	195	05/22/92
RRR	AV	5,172,014	12/15/92	El Ayat, et al.	307	465	01/15/91
RRR	AW	5,181,096	01/19/93	Forouhi	257	530	10/26/90
RRR	AX	5,187,393	02/16/93	El Gamal, et al.	307	465.1	04/15/92
RRR	AY	5,220,213	06/15/93	Chan, et al.	307	465	03/06/92
RRR	AZ	5,245,227	09/14/93	Furtek, et al.	307	465	08/30/91
RRR	BA	5,258,668	11/02/93	Cliff, et al.	307	465	05/08/92
RRR	BB	5,260,611	11/09/93	Cliff, et al.	307	465	05/08/92
RRR	BC	5,291,079	03/01/94	Goetting	307	465	07/23/92
RRR	BD	5,302,866	04/12/94	Chiang, et al.	307	465	03/18/93
RRR	BE	5,313,119	05/17/94	Cooke, et al.	307	465	10/28/91
RRR	BF	5,331,226	07/19/94	Goetting	307	465	07/23/92
RRR	BG	5,400,262	03/21/95	Mohsen	364	489	12/27/93

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FOREIGN PATENT DOCUMENTS

Translation

Exam. Init	Document No.	Date	Country	Class	SubClass	Yes	No
BH	0 162 529	03/01/89	Europe	H01L 29	86	X	
BI	0 394 575	10/31/90	Europe	H03K 19	177	X	
BJ	0 452 091	10/15/91	Europe	H01L 23	525	X	
BK	39 27 033	03/01/90	Germany	H01L 45	00	X	
BK	87/02827	05/07/87	PCT	H01L 27	24	X	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

BL	Hsieh, et al., "Third-Generation Architecture Boosts Speed and Density of Field-Programmable Gate Arrays", IEEE, 1990, Custom Integrated Circuits Conference, pp. 31.2.1-31.2.7.
BM	Cartier, "Implementing FIFOs in XC4000E RAM", Xilinx, Inc., 1995, pp. 1-15.
BN	Wilson, "Altera Puts Memory Into Its Flex PLDs", E.E. Times, pp. 1 & 108.
BO	"Embedded Programmable Architecture Targets Mainstream ASIC Designers", April, 1995, Computer Design, pp. 80 & 96.
BP	"Altera Targets High-End ASIC Designs with FLEX 10K Architecture", news release "Business Wire", March 20, 1995, pp. 1-2.
BQ	"Flex 10K Embedded Programmable Logic Family", Altera Corporation, Preliminary Information, pp. 6-9.

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/								

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

NOT Found
RRA

BR

Xilinx, 1994 Data Book, p. 2-13.

BS

Fujitsu, "CMOS Channelless Gate Arrays", 1989 Data Book, pp. 2-402 to 2-409.

~~Examiner~~

Richard Royce

~~Date Considered~~

7-2-97

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04/21/97

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U.S. Patent Documents								
Init.		Document No.	Date	Name	Class	Subclass	Filing Date	
RRR	A	5,233,539	08/03/93	Agrawal, et al.	364	489	10/30/89	
RRR	B	5,559,450	09/24/96	Ngai, et al.	326	40	07/27/95	
RRR	C	5,570,040	10/29/96	Lytle, et al.	326	41	03/22/95	
Foreign Documents Translation								
Init.		Document No.	Date	Country	Class	Subclass	Yes	No
RRR	D	0 410 759 A2	26 Jul 90	EPO	H03K 19	173	X	
RRR	E	0 507 507 A2	26 Mar 92	EPO	H03K 19	177	X	
Other Documents (Including Author, Title, Date, Pertinent Pages, Etc.)								
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